

Adrienne B. Manbeck

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Education

Anticipated 2025

Doctor of Philosophy, Clinical Psychology
University of Minnesota
Advisor: Shmuel Lissek

May 2017

B.A. in Psychology | Summa Cum Laude
University of Minnesota
Honors Thesis: *The Effects of Contingency Reversal on Pavlovian and Instrumental Generalization of Fear: A New Tool for Understanding Maladaptive Overgeneralization* |
Thesis advisor: Shmuel Lissek, PhD

Research Experience

August 2019-Present

Anxiety Neuroscience Grounded in Cross-Species Translation (ANGST) Lab | University of Minnesota | PI: Shmuel Lissek, PhD
Role: Graduate Student

June 2017-August 2019

Section on Neurobiology of Fear and Anxiety (SNFA) | National Institute of Mental Health | PIs: Christian Grillon, PhD, and Monique Ernst, MD-PhD

Role: Post-Baccalaureate Research Fellow

Project A:

- Assisted in an investigational new drug study assessing the impact of a vasopressin receptor antagonist on fear and anxiety

Project B:

- Assessed the impact of threat of shock on gambling decisions for healthy subjects and subjects with generalized anxiety disorder, social anxiety disorder, and mixed anxiety diagnoses
- Conducted analyses and found that threat of shock has a differential impact on gambling decisions for participants with anxiety disorders and healthy controls

Project C:

- Assisted in the collection of 7-tesla resting state fMRI data
- Conducted processing of resting state data using AFNI software
- Attended AFNI training to gain a better understanding of fMRI processing and analysis

February 2015-May 2017

Anxiety Neuroscience Grounded in Cross-Species Translation

(ANGST) Lab | University of Minnesota | PI: Shmuel Lissek, PhD

Role: Study Coordinator

Project A (independent research project):

- Created a task to test the impact of instructed stimulus reversal on generalization of conditioned fear
- Trained research assistants in study protocols, study purpose, and study design
- Found evidence of overgeneralization in participants following stimulus reversal, compared to non-reversal controls, as demonstrated by fear-potentiated startle and online risk-ratings

Project B:

- Led a team of research assistants in data collection and processing
- Examined fear generalization patterns in veterans with and without post-traumatic stress disorder (PTSD) using tools such as fMRI BOLD response, fear-potentiated startle, and participant self-report
- Found evidence of heightened generalization in participants with PTSD compared to healthy controls in the fMRI data

September 2016-May 2017

Stellmack Lab | University of Minnesota | Supervisor: Mark Stellmack, PhD

Role: Research Assistant

- Examined the existence of the “hot hand” phenomenon in amateur bowlers through bootstrapping and fit modeling
- Found little evidence of a “hot hand” model fitting the bowling data better than a standard probability model

Clinically-Relevant Experience

June 2015-May 2017

Tubman Chrysalis Center | Supervisor: Julie Froslan Ferralez, MA

Role: Resource Counseling Advocate

- Assisted clients who had experienced domestic violence and other trauma in finding counseling, housing, and legal assistance
- Deescalated tense and potentially dangerous situations by helping clients plan for safety and contacting emergency services when necessary

July 2015-May 2017

Military Anxiety Response Study | University of Minnesota and Minneapolis VA | Supervisors: Scott Sponheim, PhD, and Shmuel Lissek, PhD

Role: Study Coordinator

- Administered the Clinician-Administered PTSD Scale for the DSM-IV (CAPS) and the Structured Clinical Interview for the DSM-IV (SCID-IV) on military participants with and without PTSD
- Helped develop CAPS and SCID-IV training for future graduate students and research assistants to enhance inter-rater reliability for our studies

Teaching Experience

October 2018-May 2019

Project Lead the Way | Supervisor: Dr. Herbert Geller

Role: Mentor to a biomedical student

- Worked one-on-one with a junior in a high school biomedical program on career development, college planning, and wellness
- Brainstormed ways to help high school students from underrepresented communities become involved in the sciences

June 2018

Summer Student Journal Club | National Institute of Mental Health | Co-Leader and supervisor: Heather Rusch

Role: Co-Leader of Journal Club Session

- Collaborated with co-leader to explain the relationship between fear conditioning and PTSD
- Created interactive discussion topics to engage students in a conversation about research methods, participant demographics and recruitment, and study results

First Year Experience | College of Liberal Arts | University of Minnesota | Supervisor: Paul Spangle

September 2015-May 2016

Role 1: Team Leader

- Collaborated with course instructor and two other student workers on a course designed to introduce freshmen to college life
- Created weekly assignments to engage incoming first-year students with extracurricular opportunities and mental health resources at the University of Minnesota
- Developed a course module to excite students about undergraduate research

September 2014-May 2015

Role 2: Section Leader

- Served as a mentor and instructor for 20 first-year students.
- Responded to weekly assignments with suggestions for engagement opportunities, mental health resources, and course options

Peer Review Services

January 2015-May 2017

Sentience Undergraduate Journal of Psychology | Editor: Mark Stellmack, PhD

Recognition

September 2019

Junior Scientist Fellowship Honorable Mention | American Psychological Association of Graduate Students and Psi Chi

May 2016	Phi Beta Kappa Membership University of Minnesota Chapter of Phi Beta Kappa
May 2016	Psi Chi Membership University of Minnesota Chapter of Psi Chi
September 2013-May 2017	Honors Program Membership University of Minnesota
September 2013-May 2017	College of Liberal Arts Dean's List Recipient University of Minnesota

Funding

April 2020-June 2022	Brain Imaging Grant University of Minnesota Awarded to fund <i>Noninvasive neuromodulation to probe causal mechanisms of conscious threat appraisal: Generalized avoidance is a potential behavioral consequence of overgeneralized threat appraisal</i> \$18,600
June 2020-September 2020	Graduate Summer Research Fellowship University of Minnesota, Psychology Department Awarded to fund <i>Does generalized avoidance prevent inhibition of generalized conditioned fear?</i> \$5,500
September 2019-May 2020	Department of Psychology Fellowship University of Minnesota, Psychology Department Awarded to fund half of the first year graduate student stipend \$10,900
April 2017	Mortensen Travel Award University of Minnesota, Psychology Department Awarded to fund travel to present <i>Reversal of fear-conditioning leads to over-generalization of the conditioned fear response</i> \$500
January 2016	Undergraduate Research Opportunities Program Grant for Independent Research Project University of Minnesota Awarded to fund data <i>The impact of reversal on a Pavlovian-instrumental transfer generalization paradigm</i> \$1,700
September 2015	Waller Scholarship for Academic Merit University of Minnesota Awarded to 75 students a year \$6,000
July 2015	Kevin J. Mossier Foundation Award Kevin J. Mossier Foundation Awarded to fund an internship with Tubman Chrysalis Center \$1,500

Relevant Training and Skills

October 2018	AFNI Bootcamp National Institutes of Health
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May 2018	National Science Foundation-Graduate Research Fellowship Program Application Preparation Workshop National Institute of Mental Health
May 2018	Grant Writing for Future Graduate Students Workshop National Institutes of Health
March 2018	Columbia Suicide Severity Rating Scale (C-SSRS) Initial Training Research Foundation for Mental Hygiene C-SSRS Transnational Training and Assessment Campus
September 2017	Software Carpentry Workshop National Institutes of Health
October 2015	Clinician Administered PTSD Scale for the DSM-IV Administration Training ANGST Lab
October 2015	Structured Clinical Interview for the DSM-IV Administration Training ANGST Lab
September 2015	Culture Matters: The Importance of Cultural Knowledge when Working with Families who have Experienced Trauma Minneapolis Health Department
July 2015, June 2017	Wechsler Abbreviated Scale of Intelligence Administration Training ANGST Lab & National Institutes of Health

Technical Skills: R, IBM SPSS Statistics, Presentation, E-Prime, AcqKnowledge 4, Psychlab, Unix, AFNI fMRI pre-processing, electromyography data collection and processing, skin conductance and heart rate data collection, electric shock administration

Presentations

1. **Manbeck, A.B.** (2018). *Effect of state and clinical anxiety on risk preference and loss aversion*. Presented at the monthly meeting of the Fellows Afternoon Neuroscience Seminars, Bethesda, MD.

Posters

1. **Manbeck, A.B.**, Cooper, S.E., & Lissek, S. (2020). *Degree to which subjective appraisal of risk correlated with fear-potentiated startle*. Poster accepted at the annual meeting of the American Psychological Association, Washington, DC.
2. **Manbeck, A.B.**, Gorka, A.X., Deng, Z., Goodwin, M.E., Geraci, M., Grillon, C., & Ernst, M. (2019). *Understanding the relationship between anxiety diagnosis, state anxiety, and risk aversion through non-parametric analysis (revised title)*. Poster presented at the 39th annual meeting of the Anxiety and Depression Association of America, Chicago, IL.
3. **Manbeck, A.B.**, Gorka, A.X., Deng, Z., Goodwin, M.E., Grillon, C., & Ernst, M. (2018). *Experimentally induced state anxiety differentially impacts risk aversion in clinically anxious*

patients. Poster presented at the 20th annual meeting of National Institute of Mental Health Scientific Training Day, Washington, DC.

4. Goodwin, M.E., Gorka, A.X., **Manbeck, A.B.**, Grillon, C., Ernst, M. (2018). *Impact of threat and clinical anxiety on the Monetary Incentive Delay task*. Poster presented at the 20th annual meeting of National Institute of Mental Health Scientific Training Day, Washington, DC.
5. Stellmack, M.A., Byrne, A.J., Salovich, N.A., & **Manbeck, A.B.** (2018). *Limited and inconsistent evidence of “hot-hand” behavior in amateur bowlers*. Poster presented at the 30th annual meeting of the Association for Psychological Science, San Francisco, CA.
6. **Manbeck, A.B.**, Deng, Z., Goodwin, M.E., Grillon, C., & Ernst, M. (2018). *Impact of state and clinical anxiety on risk preference and loss aversion*. Poster presented at the National Institutes of Health’s Post-baccalaureate Poster Day, Bethesda, MD.
7. **Manbeck, A.B.**, Cooper, S.E., Jones, S.R., Dorow, A., & Lissek, S. (2017). *Reversal of fear-conditioning leads to over-generalization of the conditioned fear response*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, San Francisco, CA.
8. **Manbeck, A.B.**, Cooper, S.E., Van Meurs, B., Sponheim, S.R., & Lissek, S. (2016). *Generalization of conditioned fear: Relevance to PTSD with and without controlling for the dysphoria component of PTSD (revised title)*. Poster presented at the 56th annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
9. Salovich, N.A., Stellmack, M.A., **Manbeck, A. B.** (2016). *A Study of the “hot-hand phenomenon” in amateur bowlers*. Poster presented at the University of Minnesota’s Undergraduate Research Symposium, Minneapolis, MN.

Papers

1. Lago, T.R., Brownstein, M.J., Page, E., Beydler, E., **Manbeck, A.**, Beale, A., Roberts, C., Balderston, N., Damiano, E., Simon, N., Ernst, M., & Grillon, C. (Submitted to *Neuropsychopharmacology*, 2020). The novel vasopressin receptor (V1aR) antagonist SRX246 reduces anxiety in an experimental model in humans: a randomized proof-of-concept study.
2. **Manbeck, A.B.**, Cooper, S.E., Lissek, S. (In Preparation). The effects of contingency reversal on Pavlovian and instrumental generalization of fear.
3. Kaczurkin, A.N., Burton, P.C., Chazin, S.M., **Manbeck, A.B.**, Espensen-Sturges, T., Cooper, S.E., Sponheim, S.R., & Lissek, S. (2017). Neural substrates of over-generalized conditioned fear in posttraumatic stress disorder. *American Journal of Psychiatry*, 174, 125-134.